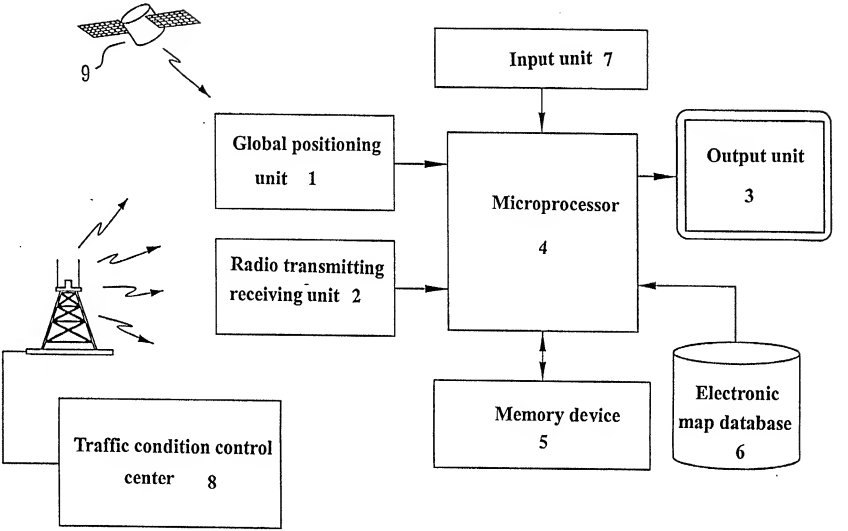
9
Input unit 7
Global positioning unit 1
Microprocessor 4
Output unit 3
Radio transmitting receiving unit 2
Memory device 5
Electronic map database 6
Traffic condition control center 8

Fig. 1

Geometric information of the locations where traffic condition occurred			Traffic condition information	
Geometric location code		Longitude and latitude coordinates	Traffic condition code	Explanation of traffic condition
ˋ ˋ ˋ	ˋ ˋ ˋ ˋ ˋ	ˋ ˋ ˋ ˋ ˋ ˋ	ˋ ˋ ˋ ˋ ˋ	ˋ ˋ ˋ ˋ ˋ
HW01S	030	(X_{30}, Y_{30})	J	Traffic jam
↑	031	(X_{31}, Y_{31})	J	Traffic jam
	032	(X_{32}, Y_{32})	J	Traffic jam
	033	(X_{33}, Y_{33})	J	Traffic jam
	034	(X_{34}, Y_{34})	J	Traffic jam
	035	(X_{35}, Y_{35})	J	Traffic jam
ˋ ˋ ˋ	ˋ ˋ ˋ ˋ ˋ	ˋ ˋ ˋ ˋ ˋ ˋ	ˋ ˋ ˋ ˋ ˋ	ˋ ˋ ˋ ˋ ˋ
TPE	C6	(X_{36}, Y_{36})	J	Traffic jam
↑	D6	(X_{46}, Y_{46})	J	Traffic jam
	E4	(X_{54}, Y_{54})	J	Traffic jam
	E5	(X_{55}, Y_{55})	J	Traffic jam
	E6	(X_{56}, Y_{56})	J	Traffic jam
	G5	(X_{75}, Y_{75})	C	Traffic control
	G6	(X_{76}, Y_{76})	C	Traffic control
	G7	(X_{77}, Y_{77})	C	Traffic control
	G8	(X_{78}, Y_{78})	C	Traffic control
ˋ ˋ ˋ	ˋ ˋ ˋ ˋ ˋ	ˋ ˋ ˋ ˋ ˋ ˋ	ˋ ˋ ˋ ˋ ˋ	ˋ ˋ ˋ ˋ ˋ

Fig. 2

```
$SSSS//   <Start Code>
.....
$ HW01S   030   J//
$ HW01S   031   J//
$ HW01S   032   J//
$ HW01S   033   J//
$ HW01S   034   J//
$ HW01S   035   J//
.....
$ TPE   C6   J//
$ TPE   D6   J//
$ TPE   E4   J//
$ TPE   E5   J//
$ TPE   E6   J//
$ TPE   G5   C//
$ TPE   G6   C//
$ TPE   G7   C//
$ TPE   G8   C//
.....
$ EEEE//   <End Code>
```

Fig. 3

```
$ HW01S   030   J//
$ HW01S   031   J//
$ HW01S   032   J//
$ HW01S   033   J//
$ HW01S   034   J//
$ HW01S   035   J//
```

Fig. 4

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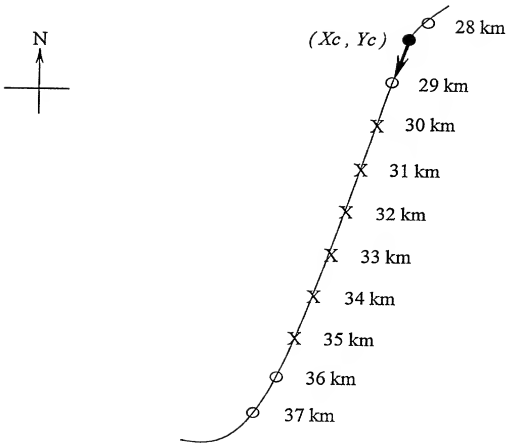

Fig. 5

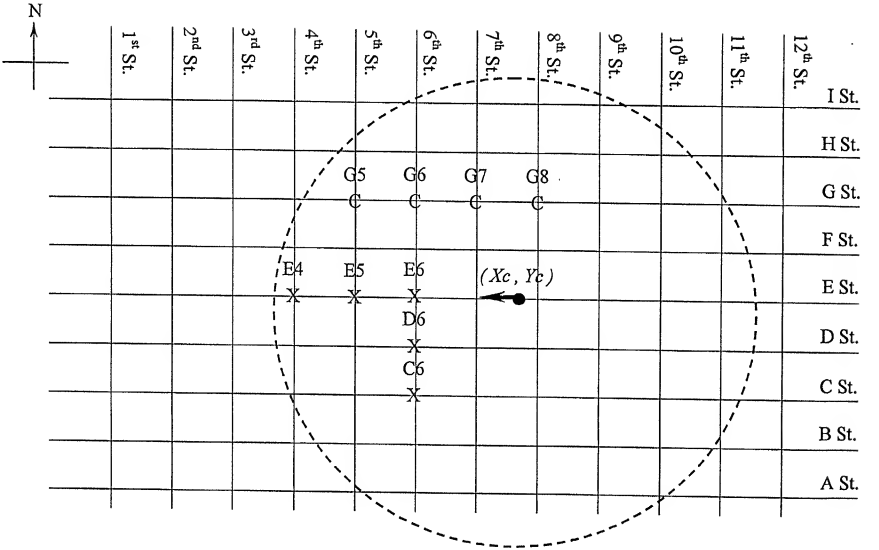
N
1st St.
2nd St.
3rd St.
4th St.
5th St.
6th St.
7th St.
8th St.
9th St.
10th St.
11th St.
12th St.
I St.
H St.
G St.
F St.
E St.
D St.
C St.
B St.
A St.
G5
G6
G7
G8
E4
E5
E6
(Xc, Yc)
D6
C6

Fig. 6